

Appendix A

Applicants' Marked-Up Claim Language

2. (Cancelled.)
3. (Cancelled.)
4. (Cancelled.)
5. (Cancelled.)
6. (Cancelled.)
7. (Cancelled.)
8. (Cancelled.)
9. (Cancelled.)
10. (Cancelled.)
11. (Cancelled.)
12. (Cancelled.)
13. (Cancelled.)
14. (Cancelled.)
15. (Cancelled.)

16. (Cancelled.)

17. (Cancelled.)

18. (Cancelled.)

19. (Cancelled.)

20. (Cancelled.)

21. (Cancelled.)

22. (Cancelled.)

23. (Cancelled.)

24. (Cancelled.)

25. (Cancelled.)

26. (Cancelled.)

27. (Cancelled.)

28. (Cancelled.)

29. (Cancelled.)

30. (Cancelled.)

31. (Cancelled.)

32. (Cancelled.)

33. (Cancelled.)

34. (Cancelled.)

35. (Cancelled.)

36. (Cancelled.)

37. (Cancelled.)

38. (Cancelled.)

39. (Cancelled.)

40. (Cancelled.)

41. (Cancelled.)

42. (Cancelled.)

43. (Cancelled.)

44. (Cancelled.)

45. (Cancelled.)

46. (Cancelled.)

47. (Cancelled.)

48. (Cancelled.)

49. (Cancelled.)

50. (Cancelled.)

51. (Cancelled.)

52. (Cancelled.)

53. (Cancelled.)

54. (Cancelled.)

55. (Cancelled.)

56. (Cancelled.)

57. (Cancelled.)

58. (Cancelled.)

59. (Cancelled.)

60. (Cancelled.)

61. (Cancelled.)

62. (Cancelled.)

63. (Cancelled.)

64. (Cancelled.)

65. (Cancelled.)

66. (Cancelled.)

67. (Amended) A method for controlling the display of video information on a remote display from a cable head end by downloading an executable program from a source [device] over a cable network to a remote control processor, said remote control processor having a [first] storage device, [by transmitting an executable program from a second data storage device at said cable head end,] said method comprising the steps of:

receiving said executable program over said cable network at said remote control processor;

storing said executable program at said remote control processor in said storage device; and

executing said executable program at said remote control processor, said downloaded executable program receiving messages from said cable head end to effect operation of said downloaded program,

wherein said method controls displaying said video information on said remote display.

68. (Cancelled.)

69. (Cancelled.)

70. (Cancelled.)

71. (Cancelled.)

72. (Cancelled.)

73. (Cancelled.)

74. (Cancelled.)

75. (Cancelled.)

76. (Cancelled.)

77. **(Amended)** The method of claim 67, wherein at least one of said [message] messages from said [from said] cable head end to said downloaded executable program [is an instruct-to-compare signal] comprises a command.

78. **(Amended)** The method of claim 67, wherein at least one of said [message] messages from said [from said] cable head end to said downloaded executable program [is] comprises an instruct-to-overlay signal.

79. **(Cancelled.)**

80. **(Cancelled.)**

81. **(Cancelled.)**

82. **(Cancelled.)**

83. **(Cancelled.)**

84. **(Cancelled.)**

85. **(Cancelled.)**

86. **(Cancelled.)**

87. **(Cancelled.)**

88. (Cancelled.)

89. (Cancelled.)

90. (Cancelled.)

91. (Cancelled.)

92. (Cancelled.)

93. (Cancelled.)

94. (Cancelled.)

95. (Cancelled.)

96. (Cancelled.)

97. (Cancelled.)

98. (Cancelled.)

99. (Cancelled.)

100. (Cancelled.)

101. (Cancelled.)

102. (Cancelled.)

103. (Cancelled.)

104. (Cancelled.)

105. (Cancelled.)

106. (Cancelled.)

107. (Cancelled.)

108. (Cancelled.)

109. (Cancelled.)

110. (Cancelled.)

111. (Cancelled.)

112. (Cancelled.)

113. (Cancelled.)

114. (Cancelled.)

115. (Cancelled.)

116. (Cancelled.)

117. (Cancelled.)

118. (Cancelled.)

119. (Cancelled.)

120. (Cancelled.)

121. (Cancelled.)

122. (Cancelled.)

123. (Cancelled.)

124. (Cancelled.)

125. (Cancelled.)

126. (Cancelled.)

127. (Cancelled.)

128. (Cancelled.)

129. (Cancelled.)

130. (Cancelled.)

131. (Cancelled.)

132. (Cancelled.)

133. (Cancelled.)

134. (Cancelled.)

135. (Cancelled.)

136. (Cancelled.)

137. (Cancelled.)

138. (Cancelled.)

139. (Cancelled.)

140. (Cancelled.)

141. (Cancelled.)

142. (Cancelled.)

143. (Cancelled.)

144. (Cancelled.)

145. (Cancelled.)

146. (Cancelled.)

147. (Cancelled.)

148. (Cancelled.)

149. (Cancelled.)

150. (Cancelled.)

151. (Cancelled.)

152. (Cancelled.)

153. (Cancelled.)

154. (Cancelled.)

155. (Cancelled.)

156. **(Cancelled.)**

157. **(Cancelled.)**

158. **(Cancelled.)**

159. **(Cancelled.)**

160. **(Cancelled.)**

161. **(Cancelled.)**

162. **(Cancelled.)**

163. **(Cancelled.)**

164. **(Cancelled.)**

165. **(Cancelled.)**

166. **(Cancelled.)**

167. **(Cancelled.)**

168. **(Cancelled.)**

169. **(Cancelled.)**

170. **(Amended)** A method of controlling a receiver station which includes a television receiver, a signal detector, a processor, an output device, and with said receiver station adapted to detect the presence of one or more control signals and programmed to process downloadable executable code, said method of controlling comprising the steps of:

(1) receiving at a transmitter station [some] downloadable executable code which is effective at said receiver station to [receive and process] respond to messages communicated from a broadcast or cablecast transmitter station to affect said output device, said downloadable executable code having at [each of] said [plurality of] receiver [stations] station a target processor to process data;

(2) transferring said downloadable executable code [from said transmitter station] to a transmitter;

(3) receiving said one or more control signals at said transmitter station, said one or more control signals operate to execute said downloadable executable code;

(4) transferring said one or more control signals [from said transmitter station] to said transmitter; and

(5) transmitting at least one information transmission [containing] including said downloadable executable code and said one or more control signals to said receiver station, said information transmission effective to control said receiver station.

171. **(Amended)** The method of claim 170, wherein said downloadable executable code or [some] identification data in respect of said downloadable executable code are embedded in a television signal.

172. **(Amended)** The method of claim 170, wherein [a television program] video is displayed at [a] said receiver station and said downloadable executable code programs said receiver station processor [or computer] to output a first portion of said video[, audio, or text in the context of said television program or to process a viewer reaction to said television program or to select information that supplements said television program content].

173. **(Amended)** The method of claim 170, [wherein said one or more control signals incorporate some of said downloadable executable code] further comprising the step of transmitting a second portion of said video to said receiver station.

174. **(Cancelled.)**

175. **(Cancelled.)**

176. **(Amended)** The method of claim [175,] 170, further comprising the step of [embedding a specific one of said one or more control signals in said at least one instruct signal or in an information transmission [containing] including said at least one instruct signal before] transmitting [said at least one instruct signal to said remote intermediate transmitter station] a message of said messages.

177. **(Cancelled.)**

178. **(Cancelled.)**

179. **(Cancelled.)**

180. (Cancelled.)

181. (Cancelled.)

182. (Cancelled.)

183. (Cancelled.)

184. (Cancelled.)

185. (Cancelled.)

186. (Cancelled.)

187. (Cancelled.)

188. (Cancelled.)

189. (Cancelled.)

190. (Cancelled.)

191. (Cancelled.)

192. (Cancelled.)

193. (Cancelled.)

194. (Cancelled.)

195. (Cancelled.)

196. (Cancelled.)

197. (Cancelled.)

198. (Cancelled.)

199. (Cancelled.)

200. (Cancelled.)

201. (Cancelled.)

202. (Cancelled.)

203. (Cancelled.)

204. (Cancelled.)

205. (Amended) A method of controlling a plurality of receiver stations each of which includes a television receiver, a signal detector, a processor, and with each said receiver station adapted to detect the presence of one or more control signals and

programmed to process downloadable processor instructions, said method comprising the steps of:

- (1) receiving at a transmitter station [at least one] said downloadable processor [instruction] instructions which [is] are effective at a receiver station, when executed, to operate a computer under broadcast or cablecast network control, said downloadable processor [instruction] instructions having at each of said plurality of receiver stations a target processor to process data;
 - (2) transferring said downloadable processor instruction [from said transmitter station] to a transmitter;
 - (3) receiving said one or more control signals at said transmitter station, wherein each of said one or more control signals operate to execute a different one of said downloadable processor [instruction] instructions; and
 - (4) transferring said one or more control signals [from said transmitter station] to said transmitter[], and transmitting an information transmission comprising [the] said downloadable processor instructions and said one or more control signals;
- wherein said method controls said plurality of receiver stations.

206. **(Amended)** The method of claim 205, wherein said downloadable processor [instruction or some identification data in respect of said downloadable processor instruction] instructions and said one or more control signals are embedded in a television signal.

207. **(Amended)** The method of claim 205, wherein [a television program] said video is displayed at a receiver station and said downloadable processor [instruction programs] instructions program said processor of said receiver station [processor or computer] to output a first portion of said video, [audio, or text in the context of said television program or to process a viewer reaction to said television program or to select

information that supplements said television program content] said method further comprising the step of transmitting a second portion of said video to said receiver station.

208. **(Amended)** The method of claim 205, wherein a period of time separates transmission of a first and a second of at least two of said one or more control signals[incorporate some of said downloadable processor instruction].

209. **(Cancelled.)**

210. **(Cancelled.)**

211. **(Cancelled.)**

212. **(Cancelled.)**

213. **(Cancelled.)**

214. **(Cancelled.)**

215. **(Cancelled.)**

216. **(Cancelled.)**

217. **(Cancelled.)**

218. **(Cancelled.)**

219. (Cancelled.)

220. (Cancelled.)

221. (Cancelled.)

222. (Cancelled.)

223. (Cancelled.)

224. (Cancelled.)

225. (Cancelled.)

226. (Cancelled.)

227. (Cancelled.)

228. (Cancelled.)

229. (Cancelled.)

230. (Cancelled.)

231. (Cancelled.)

232. (Cancelled.)

233. (Cancelled.)

234. (Cancelled.)

235. (Cancelled.)

236. (Cancelled.)

237. (Cancelled.)

238. (Cancelled.)

239. (Cancelled.)

240. (Cancelled.)

241. (Cancelled.)

242. (Cancelled.)

243. (Cancelled.)

244. (Cancelled.)

245. (Cancelled.)

246. (Cancelled.)

247. (Cancelled.)

248. (Cancelled.)

249. (Cancelled.)

250. (Cancelled.)

251. (Cancelled.)

252. (Cancelled.)

253. (Cancelled.)

254. (Cancelled.)

255. (Cancelled.)

256. (Cancelled.)

257. (Cancelled.)

258. (Cancelled.)

259. (Cancelled.)

260. (Cancelled.)

261. (Cancelled.)

262. (Cancelled.)

263. (Cancelled.)

264. (Cancelled.)

265. (Cancelled.)

266. (Cancelled.)

267. (Cancelled.)

268. (Cancelled.)

269. (Cancelled.)

270. (Cancelled.)

271. (Cancelled.)

272. (Cancelled.)

273. (Cancelled.)

274. (Cancelled.)

275. (Cancelled.)

276. (Cancelled.)

277. (Cancelled.)

278. (Cancelled.)

279. (Cancelled.)

280. (Cancelled.)

281. (Cancelled.)

282. (Cancelled.)

283. (Cancelled.)

284. (Cancelled.)

285. (Cancelled.)

286. (Cancelled.)

287. (Cancelled.)

288. (Cancelled.)

289. (Cancelled.)

290. (Cancelled.)

291. (Cancelled.)

292. (Cancelled.)

293. (Cancelled.)

294. (Cancelled.)

295. (Cancelled.)

296. (Cancelled.)

297. (Cancelled.)

298. (Cancelled.)

299. (Cancelled.)

300. **(Cancelled.)**

301. **(Cancelled.)**

302. **(Cancelled.)**

303. **(Cancelled.)**

304. **(Cancelled.)**

305. **(Cancelled.)**

306. **(Cancelled.)**

307. **(Cancelled.)**

308. **(Cancelled.)**

309. **(Cancelled.)**

310. **(Cancelled.)**

311. **(Cancelled.)**

312. **(Cancelled.)**

313. **(Cancelled.)**

314. (Cancelled.)

315. (Amended) A method of controlling a plurality of receiver stations each of which includes a television receiver, a signal detector, a processor to process data, each said plurality of receiver stations is adapted to detect at least one control signal and programmed to process downloadable processor instructions, said method comprising the steps of:

(1) receiving at a transmitter station downloadable processor instructions which are effective at a receiver station of said plurality of receiver stations to implement a scheme for at least one of generating and transmitting [one of] a television [and a radio] signal;

(2) transferring said downloadable processor instructions [from said transmitter station] to a transmitter;

(3) receiving said at least one control signal at said transmitter station, wherein said at least one control signal operates to execute said downloadable processor instructions; and

(4) transferring said at least one control signal [from said transmitter station] to said transmitter, and transmitting at least one information transmission comprising [the] said downloadable processor instructions and said at least one control signal.

316. (Amended) The method of claim 315, [wherein] further comprising the steps of:

embedding at least one of (i) said downloadable processor instructions and (ii) identification data with respect to said downloadable processor instructions [are embedded] in [said television] a signal that includes a television program; and transmitting said signal that includes a television program.

317. **(Amended)** The method of claim 315, wherein a television program is displayed at a receiver station of said plurality of receiver stations and said downloadable processor instructions [programs] program [one of] said processor at said receiver station of said plurality of receiver stations [and a computer] to [one of] output [at least one of] a video[, audio, and text in the context] portion of said television program[, process a viewer reaction to said television program, and select information that supplements said television program].

318. **(Amended)** The method of claim [315, wherein said at least one control signal incorporates a portion of said downloadable processor instructions] 317, further comprising the step of transmitting said television program.

319. **(Cancelled.)**

320. **(Cancelled.)**

321. **(Cancelled.)**

322. **(Cancelled.)**

323. **(Cancelled.)**

324. **(Cancelled.)**

325. **(Cancelled.)**

326. (Cancelled.)

327. (Cancelled.)

328. (Cancelled.)

329. (Cancelled.)

330. (Cancelled.)

331. (Cancelled.)

332. (Cancelled.)

333. (Cancelled.)

334. (Cancelled.)

335. (Cancelled.)

336. (Cancelled.)

337. (Cancelled.)

338. (Cancelled.)

339. (Cancelled.)

340. (Cancelled.)

341. (Cancelled.)

342. (Cancelled.)

343. (Cancelled.)

344. (Cancelled.)

345. (Cancelled.)

346. (Cancelled.)

347. (Cancelled.)

348. (Cancelled.)

349. (Cancelled.)

350. (Cancelled.)

351. (Cancelled.)

352. (Cancelled.)

353. (Cancelled.)

354. (Cancelled.)

355. (Cancelled.)

356. (Cancelled.)

357. (Cancelled.)

358. (Cancelled.)

359. (Cancelled.)

360. (Cancelled.)

361. (Cancelled.)

362. (Cancelled.)

363. (Cancelled.)

364. (Cancelled.)

365. (Cancelled.)

366. (Cancelled.)

367. (Cancelled.)

368. (Cancelled.)

369. (Cancelled.)

370. (Cancelled.)

371. (Cancelled.)

372. (Cancelled.)

373. (Cancelled.)

374. (Cancelled.)

375. (Cancelled.)

376. (Cancelled.)

377. (Cancelled.)

378. (Cancelled.)

379. (Cancelled.)

380. (Cancelled.)

381. (Cancelled.)

382. (Cancelled.)

383. (Cancelled.)

384. (Cancelled.)

385. (Cancelled.)

386. (Cancelled.)

387. (Cancelled.)

388. (Cancelled.)

389. (Cancelled.)

390. (Cancelled.)

391. (Cancelled.)

392. (Cancelled.)

393. (Cancelled.)

394. **(Cancelled.)**

395. **(Cancelled.)**

396. **(Cancelled.)**

397. **(Cancelled.)**

398. **(Cancelled.)**

399. **(Cancelled.)**

400. **(Cancelled.)**

401. **(Cancelled.)**

402. **(Cancelled.)**

403. **(Cancelled.)**

404. **(Cancelled.)**

405. **(Cancelled.)**

406. **(Cancelled.)**

407. (Cancelled.)

408. (Cancelled.)

409. (Cancelled.)

410. (Cancelled.)

411. (Cancelled.)

412. (Cancelled.)

413. (Cancelled.)

414. (Cancelled.)

415. (Cancelled.)

416. (Cancelled.)

417. (Cancelled.)

418. (Cancelled.)

419. (Cancelled.)

420. (Cancelled.)

421. (Cancelled.)

422. (Cancelled.)

423. (Cancelled.)

424. (Cancelled.)

425. (Cancelled.)

426. (Cancelled.)

427. (Cancelled.)

428. (Cancelled.)

429. (Cancelled.)

430. (Cancelled.)

431. (Cancelled.)

432. (Cancelled.)

433. (Cancelled.)

434. (Cancelled.)

435. (Cancelled.)

436. (Cancelled.)

437. (Cancelled.)

438. (Cancelled.)

439. (Cancelled.)

440. (Cancelled.)

441. (Cancelled.)

442. (Cancelled.)

443. (Cancelled.)

444. (Cancelled.)

445. (Cancelled.)

446. (Cancelled.)

447. (Cancelled.)

448. (Cancelled.)

449. (Cancelled.)

450. (Cancelled.)

451. (Cancelled.)

452. (Cancelled.)

453. (Cancelled.)

454. (Cancelled.)

455. (Cancelled.)

456. (Cancelled.)

457. (Cancelled.)

458. (Cancelled.)

459. (Cancelled.)

460. (Cancelled.)

461. (Cancelled.)

462. (Cancelled.)

463. (Cancelled.)

464. (Cancelled.)